C. J. Wells
L-5

May 10, 1983

Mr. James F. Bowers
Principal Scientist
H. E. Cramer Company, Inc.
540 Arapeen Drive
Salt Lake City, Utah 84108

Dear Mr. Bowers:

Consulting Agreement No. 71
Task Assignment MOD3
Dispersion Model Analysis for the
Intermountain Generating Station (IGS)

This is in response to your January 17, 1983 letter transmitting for our review the particulate emission rates (Tables 1-4) that you plan to use in dispersion model calculations for the IGS. As you know, our consultant, Engineering-Science, Inc., has reviewed these emission rates and made some revisions. The May 2, 1983 revised emission rates and emission locations are provided in Enclosure 1 for your use.

You stated in your letter that you will assume the particulate emissions from the stack(s) to be the values listed in Table 1 of Task Assignment MOD3 unless otherwise specified. The particulate emissions listed in Table 1 are indeed the values to be used in the dispersion model calculations.

However, the stack gas volumetric emission rate and stack exit velocity listed in Table 1 are incorrect. The correct values are listed in Enclosure 2 to this letter. These corrections were discussed between you and our Mr. Timothy L. Conkin on December 30, 1982 and were included in your January 31, 1983 letter to Mr. James H. Anthony.

Enclosure 3 is a December 22, 1982 letter from Mr. Robert P. Dalley of the State of Utah, Department of Health, to Mr. James H. Anthony listing sources and their emissions which may be pertinent to dispersion model calculations for the IGS.

Enclosure 4 is Black & Veatch Drawing No. 9255-DM-0085 which describes the sludge conditioning building. This drawing will be helpful to understand where the ash silo unloading and ash silo vent emissions occur. It should be noted that there is one fly ash silo per boiler unit.

Enclosures 5 and 6 are drawings which describe the IPP coal-handling system for four units and two units, respectively. These drawings will be helpful to understand the IPP coal-crushing, conveying and transfer operations.

If any further information is required, please contact Mr. Timothy L. Conkin at (213) 481-5794.

Sincerely,

JAMES H. ANTHONY
Project Director
Intermountain Power Project

TLC:gp

Enclosures

cc: Timothy L. Conkin w/Enclosures

bcc: D. W. Waters
D. M. Pappe
J. H. Anthony w/Enc.
V. L. Pruett
R. L. Nelson
M. E. Picon
B. Campbell
IPP File w/Enc.
Robert C. Burt
Patrick P. Wong
A. S. Buchanan
E. N. Friesen
J. J. Carnevale w/Enc. 1&2
N. F. Bassin
R. E. Gentner w/Enc. 1&2
D. W. Fowler w/Enc. 1
C. J. Welty w/Enc. 1
Manager, Civil, Struc. Engrg. & Services
J. P. Schneider w/Enc. 1
M. J. Nosanov w/Enc.
R. T. Pelote w/Enc.
S. A. Clark w/Enc. 1
L. A. Kerrigan